Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

PUBLICATIONS OF

The Academy of Natural Sciences

OF PHILADELPHIA.

Twelve volumes of the New Series of the JOURNAL (Quarto) and Volume XII, parts 1 and 2, have been issued—1847 to 1904. The price per volume of four parts is $10, or $3 per part to subscribers, and to others $12.50 per volume or $3.75 per part. Vol. VII contains "The Extinct Mammalian Fauna of Dakota and Nebraska, with a Synopsis of the Mammalian Remains of North America." Illustrated with thirty plates. By JOSEPH LEIDY, M.D., LL.D.

The FIRST SERIES OF THE JOURNAL, 1817 to 1842, in eight volumes octavo, may be obtained at $40 to members, and to the public $48.

The FIRST SERIES OF THE PROCEEDINGS of the Academy, octavo, 1841 to 1856, of which eight volumes were completed December 31, 1856, may be obtained at $24 to members, and to the public $36.

The SECOND SERIES OF THE PROCEEDINGS, commencing January 1, 1857 (of which fourteen volumes were completed December 31, 1870), may be obtained at $42 to members, or $3 per volume separately, and to the public $3.75 per volume.

The THIRD SERIES OF THE PROCEEDINGS, illustrated, commencing January 1, 1871 (of which thirty-three volumes were completed December 31, 1904), is published at $5 per annum to subscribers, payable in advance; single volumes, $6.25.

AMERICAN JOURNAL OF CONCHOLOGY, 1865–71. Seven vols., 8vo. Containing 2500 pages, illustrated by 150 plates, many of them colored, besides about 1000 wood engravings. Published at $70. Price reduced to $40 for the set. Separate volumes, $6 each.

BOOKS FOR SALE.

The ACADEMY has the following works for sale at the prices affixed:

MANUAL OF CONCHOLOGY. By GEO. W. TRYON, JR., continued by HENRY A. PILSBRY. A complete, fully illustrated monograph of recent mollusks. Series I, Cephalopoda, Scaphopoda, Amphineura and Marine Gastropoda; 17 volumes (finished). Series II, Terrestrial Mollusks, 14 volumes published. Plain edition, per part, $3; per volume, $12. Colored edition, per part, $5; per volume, $20. Fine edition, heavy plate paper, plates in duplicate, colored and India tinted, per part, $8; per volume, $32.

DESCRIPTION OF SHELLS OF NORTH AMERICA, with 68 colored plates. By THOMAS SAY. 1830–34. $10.50.

MONOGRAPH OF THE TERRESTRIAL MOLLUSCA OF THE UNITED STATES. With illustrations of all the species. By GEO. W. TRYON, JR. Fine edition, plate paper, with duplicate plates, colored and tinted, $20; colored edition, $13.50; plain edition, $8.50.

MONOGRAPH OF THE FRESH-WATER UNIVALVE MOLLUSCA OF THE UNITED STATES. By S. S. HALDEMAN, 1840–44. Continuation to 1871, by GEO. W. TRYON, JR. Many colored plates. Prices for the continuation: Fine edition, duplicate plates, $14; with colored plates, $8; with plain plates, $6.

SYNONYMY OF THE SPECIES OF STREPOMATIDÆ (Melanians) OF THE UNITED STATES. By GEO. W. TRYON, JR. Cloth, $1; paper, 50 cents.

LIST OF AMERICAN WRITERS ON RECENT CONCHOLOGY, with the Titles of the Memoirs and Dates of Publication. By GEO. W. TRYON, JR. Cloth, $1; paper, 50 cents.

MONOGRAPH OF THE ORDER PHOLADACEA and other Papers. By GEO. W. TRYON, JR. Cloth, $1; paper, 50 cents.

COMPLETE WRITINGS ON RECENT AND FOSSIL CONCHOLOGY OF C. S. RAFINESQUE. Edited by WM. G. BINNEY and GEO. W. TRYON, JR. $1.

OBSERVATIONS ON THE GENUS UNIO. By ISAAC LEA, LL.D. 4to, Vols. 1 to 13. With Index, Nos. 1, 2 and 3, complete. Several hundred fine lithographic Plates, $60. Same, Vols. 2 to 13, inclusive, except Vol. 4. Each volume separately, $5.

SYNOPSIS OF THE GENUS UNIO. By ISAAC LEA, LL.D. Fourth edition. $5.

AN ILLUSTRATED CATALOGUE OF JAPANESE MARINE MOLLUSKS. By F. STEARNS and H. A. PILSBRY. Cloth, $3; paper, $2.50.

CONTRIBUTIONS TO GEOLOGY. By ISAAC LEA. $3.

FOSSIL FOOT-MARKS. By ISAAC LEA. Large folio, text and plate. $2. Plate alone 50 cents.

NOTICE TO BOOKSELLERS—All the publications of the Academy will be supplied to booksellers at a discount of 20 per cent. on the prices charged to the public.

Apply to EDWARD J. NOLAN, M.D., at the Hall of the Academy, Logan Square.

February, 1904.

CONTENTS.

PILSBRY, HENRY A. New Japanese Marine Mollusca: Gastropoda (Plates I–VI) 3

REHN, JAMES A. G. Studies in the Orthopterous Family Phasmidæ . 38

COCKERELL, T. D. A. The Roses of Pecos, New Mexico . . . 108

FOWLER, HENRY W. Note on the Characinidæ 119

BANKS, NATHAN. The Arachnida of Florida (Plates VII, VIII) . . 120

CHAPMAN, HENRY C., M.D. Observations of Tupaia, with Reflections on the Origin of Primates (Plates IX, X) 148

MOORE, J. PERCY and KATHERINE J. BUSCH. Sabellidæ and Serpulidæ from Japan, with Descriptions of New Species of Spirorbis (Plates XI, XII) 157

REHN, JAMES A. G. A Study of the Mammalian Genus Chilonycteris . 181

STEVENS, N. M. On the Germ Cells and the Embryology of Planaria simplissima (Plates XIII–XVI) 208

FOWLER, HENRY W. New, Little Known and Typical Berycoid Fishes 222

FOWLER, HENRY W. Description of a New Race of Notropis chalybæus from New Jersey (Plate XVII) 239

FOWLER, HENRY W. Notes on Fishes from Arkansas, Indian Territory and Texas 242

REHN, JAMES A. G. A Study of the Bats of the Genus Dermonotus (Pteronotus Auct.) 250

HEATH, HAROLD. The Larval Eye of Chitons 257

MONTGOMERY, THOMAS H., JR. Descriptions of North American Araneæ of the Families Lycosidæ and Pisauridæ (Plates XVIII, XIX, XX) 261